

BOILER EXAMINATION INFORMATION - INSTALLERS

In an effort to give guidance to you as you prepare for the upcoming boiler examination, the following information is provided:

If you are taking a low-pressure boiler installer's exam (class 1B or 2B), you need to study:

- a. The Michigan Boiler Law and Rules – 2001 edition (effective January 1, 2003)
- b. ASME Code Section IV, Heating Boilers – 2001 edition
- c. ASME Code CSD-1 – 2001 edition

If you are taking a high-pressure boiler installer's exam (3B-5B), you need to study:

- a. The Boiler Law and Rules – 2001 edition (effective January 1, 2003)
- b. ASME Code Section I – 2001 edition
- c. ASME Code Section IV – 2001 edition
- d. ASME Section IX, Welding – 2001 edition
- e. ASME B31.1, Power Piping – 2001 edition
- f. ASME Code CSD-1 – 2001 edition

If you are taking the exam for a piping license ("P"), you need to study:

- a. The Michigan Boiler Law and Rules – 2001 edition (effective January 1, 2003)
- b. ASME B31.1 Power Piping – 2001 edition
- c. ASME Section IX, Welding – 2001 edition

This examination is open book. The examinee is responsible to bring the applicable code books to the examination.

Examinations are offered quarterly: March, June, September and December, on the first Wednesday and/or Thursday of the month. Applications must be received in this office 30 days prior to the examination date.

The Michigan Boiler Law and Rules may be purchased through this office for a fee of \$10.00. Please make check or money order payable to the **State of Michigan**. Send your request to:

Michigan Department of Labor & Economic Growth
Bureau of Construction Codes & Fire Safety
Boiler Division
P.O. Box 30255
Lansing, MI 48909

The ASME Code books can be purchased by calling 1-800-843-2763.

APPLICATION FOR BOILER INSTALLER'S EXAMINATION

The following is information to the applicant for completing the application for an installer's license in accordance with the State of Michigan Boiler Rules and Regulations.

Rule 89. Boiler installers shall be licensed as required by section 13 of the act.

Rule 91. (1) An application for a boiler installer's license shall be on a form provided by the boiler division, department of consumer and industry services. The applicant shall state the name of the business, firm, partnership, or corporation that the applicant intends to represent in the business of installing boilers and shall provide evidence of his or her past experience in the installation of boilers and evidence of his or her workmanship and engineering skills that would qualify the applicant for examination and licensing.

(2) An applicant for a boiler installer's license shall have not less than 5 years of experience in all phases of boiler installation in the class of license for which the applicant is applying. A credit of 2 years of experience towards the 5 years of experience may be given for 2 years of experience in the design, construction, manufacture, or inspection of boilers.

(3) The boiler division of the department of consumer and industry services may verify installations required to be reported on the application to establish the applicant's minimum practical installation experience in the applicant's desired license classification.

Rule 96. (1) If welding is employed in the installation or reinstallation of a boiler or piping, then the licensed installer shall file welding procedure specifications and the procedure qualification reports qualified in accordance with the requirements of ASME code section IX, welding and brazing qualifications, with the boiler division, department of consumer and industry services, before conducting any installation requiring welding.

(2) A licensed installer who utilizes welding in the installation or reinstallation of boilers or piping shall have available, for the inspector's review, welding procedure specifications and welder performance qualification records to be used or that were used in the installation or reinstallation.

Rule 99. (1) An applicant for a boiler installer's license shall state the name of the business, firm, partnership, or corporation under which he or she intends to carry on the business of installing boilers before a license will be issued. The applicant may be the owner, a partner, an officer of a corporation, or a supervisory employee of the business, firm, partnership, or corporation legally registered with the state.

(2) A person shall not engage in installing boilers under the name of more than 1 business at any one time.

(3) When required by the ASME code, a licensee shall be in the employ of an organization in possession of the appropriate certificate of authorization.

Rule 101. An individual employed by, and working under the supervision of, a licensed boiler installer is not required to be licensed.

Rule 103. (1) An applicant for a boiler installer's license shall be required to take an examination approved by the board of boiler rules. The examination will be held quarterly at a location determined by the boiler division, department of consumer and industry services.

(2) A licensee wishing to upgrade his or her license to a higher classification shall take the examination prescribed in subrule (1) of this rule.

Rule 105. The fee prescribed by R 408.4038 shall accompany the application for a boiler installer's license.

Rule 107. (1) A boiler installer's license shall be renewed annually upon payment of a fee as prescribed by R 408.4038.

(2) An installer's license shall expire on December 31 of each year and shall be renewed. An application for renewal shall be submitted to the department of consumer and industry services, boiler division, between September 30 and December 31. A license that is not renewed by January 1 shall be voided and may be reinstated only upon application for reinstatement and payment of both the renewal fee and a reinstatement fee of \$75.00. A person requesting renewal of a license within 3 years after the license is voided pursuant to this subrule is not subject to reexamination for the license, but is required to pay both the reinstatement fee and the annual license renewal fee for the current renewal year. A person who fails to renew a license for 3 consecutive years shall be required to meet the requirements of, and take an examination for, the class of license sought.

(3) A licensee who changes business affiliation shall notify the chief inspector, on a form provided by the boiler division, of the name and address of the new business affiliate under which the licensee intends to use his or her license. A fee of \$20.00 shall accompany the notification form.

Rule 109. (1) A class 1B installer's license qualifies a person to install a low-pressure boiler that does not exceed a firing rate of 1,000,000 Btu per hour as certified by the boiler manufacturer. For a class 1B license, the sum of all modules in a modular boiler shall not exceed a firing rate of 1,000,000 Btu per hour as certified by the boiler manufacturer.

(2) A class 2B installer's license qualifies a person to install a low-pressure boiler of any capacity or firing rate and to perform work covered by a class 1B license.

(3) A class 3B installer's license qualifies a person to install a power boiler that has a capacity of not more than 5,000 pounds of steam per hour and to perform work covered by a class 2B license.

(4) A class 4B installer's license qualifies a person to install a boiler that has a capacity of not more than 300,000 pounds of steam per hour and to perform work covered by a class 3B license.

(5) A class 5B installer's license qualifies a person to install a boiler of any capacity or firing rate, except for a nuclear heat source boiler and to perform work covered by a class 4B license.

(6) A class 6B installer's license qualifies a person to install a boiler that utilizes a nuclear heat source or its parts, appurtenances, or system components. Before a license is issued, an applicant for a class 6B license shall give evidence of familiarity with and knowledge of all federal rules and regulations regarding the installation of a boiler that has a nuclear heat source and shall be in the employ of a company in possession of a valid ASME nuclear code symbol applicable to the portions of any nuclear boiler system that the company proposes to install.

(7) A class P license qualifies a person to install non-boiler external piping or repair non-boiler external piping as defined by ASME code B31.1 and R 408.4032.

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|-------------|---|--|
| Authority: | 1965 PA 290 and Michigan Boiler Rules and Regulations | The Department of Labor & Economic Growth will not discriminate against any individual or group because of race, sex, religion, age, national origin, color, marital status, disability, or political beliefs. If you need help with reading, writing, hearing, etc., under the Americans with Disabilities Act, you may make your needs known to this agency. |
| Completion: | Voluntary | |
| Penalty: | License will not be issued | |

- Complete and sign the application. **Type or print in ink.**
- Enclose a check or money order payable to the **State of Michigan.**
- Mail completed application and fee to the address above.

Applicant Information

| | | | | | | | |
|--|--|---------------------|----------|---|--|---|-------------------|
| NAME OF APPLICANT | | | | NAME OF BUSINESS, FIRM, PARTNERSHIP, CORPORATION | | | |
| ADDRESS | | | | ADDRESS | | | |
| CITY | | STATE | ZIP CODE | CITY | | COUNTY | STATE ZIP CODE |
| CLASS OF LICENSE REQUESTED | | YEARS OF EXPERIENCE | | BUSINESS TELEPHONE NO. (Include Area Code) | | ASME AUTHORIZATION(S) | |
| FEDERAL INCOME TAX I.D. NO. | | | | WELDING PROCEDURES AND QUALIFICATION ON FILE WITH THE BOILER DIVISION? <input type="checkbox"/> YES <input type="checkbox"/> NO | | NO.(S) STAMP SYMBOL(S) | |
| | | | | | | EXPIRATION DATE(S) | |
| I WILL OBTAIN THE LATEST OF THE FOLLOWING MARKED ITEMS: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> MICHIGAN BOILER LAWS AND RULES <input type="checkbox"/> ASME CODE HEATING BOILERS WITH ADDENDAS <input type="checkbox"/> ASME CODE POWER BOILERS WITH ADDENDAS <input type="checkbox"/> NATIONAL BOARD INSPECTION CODE </div> <div style="width: 50%;"> <input type="checkbox"/> ASME CODE WELDING QUALIFICATIONS WITH ADDENDAS <input type="checkbox"/> ASME PRESSURE PIPING B31.1 CODE WITH ADDENDAS <input type="checkbox"/> ASME CODE CSD-1 WITH ADDENDA </div> </div> | | | | | | | |

Work Experience - List work performed on boilers covering a period of at least 5 years in accordance with Rule 91.

| | | | |
|--|--|---|-------------------|
| NAME OF BOILER OWNER OR USER | | LOCATION NAME | |
| BOILER MANUFACTURER | | ADDRESS | |
| BTU/HR OR LB/HR STEAM | MICHIGAN BOILER NO. M M | CITY | STATE ZIP CODE |
| YEAR INSTALLED | PERMIT NUMBER | TYPE OF BOILER <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CI <input type="checkbox"/> VT | MAWP OF BOILER |
| INDICATE WORK PERFORMED ON ABOVE BOILER. INSTALLATION OR MAINTENANCE OF BURNERS OR REFRACTORY NOT ACCEPTABLE. <input type="checkbox"/> INSTALLATION <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> INSPECTION <input type="checkbox"/> ALTERED <input type="checkbox"/> DESIGN <input type="checkbox"/> MANUFACTURE <input type="checkbox"/> REPAIR <input type="checkbox"/> FIELD ERECTED | | | |
| BOILER USE <input type="checkbox"/> STEAM HEATING <input type="checkbox"/> HOT WATER HEATING <input type="checkbox"/> HOT WATER SUPPLY <input type="checkbox"/> POWER <input type="checkbox"/> OTHER_____ | | | |
| REMARKS (Who you were employed by, year, etc.) | | | |

Work Experience Cont. (Attach additional sheets if necessary)

| | | | | |
|---|--|---|----------------|----------|
| NAME OF BOILER OWNER OR USER | | LOCATION NAME | | |
| BOILER MANUFACTURER | | ADDRESS | | |
| BTU/HR OR LB/HR STEAM | MICHIGAN BOILER NO. M M | CITY | STATE | ZIP CODE |
| YEAR INSTALLED | PERMIT NUMBER | TYPE OF BOILER <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CI <input type="checkbox"/> VT | MAWP OF BOILER | |
| INDICATE WORK PERFORMED ON ABOVE BOILER. INSTALLATION OR MAINTENANCE OF BURNERS OR REFRACTORY NOT ACCEPTABLE. | | | | |
| <input type="checkbox"/> INSTALLATION <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> INSPECTION <input type="checkbox"/> ALTERED | | | | |
| <input type="checkbox"/> DESIGN <input type="checkbox"/> MANUFACTURE <input type="checkbox"/> REPAIR <input type="checkbox"/> FIELD ERECTED | | | | |
| BOILER USE | | | | |
| <input type="checkbox"/> STEAM HEATING <input type="checkbox"/> HOT WATER HEATING <input type="checkbox"/> HOT WATER SUPPLY <input type="checkbox"/> POWER <input type="checkbox"/> OTHER _____ | | | | |
| REMARKS (Who you were employed by, year, etc.) | | | | |

| | | | | |
|---|--|---|----------------|----------|
| NAME OF BOILER OWNER OR USER | | LOCATION NAME | | |
| BOILER MANUFACTURER | | ADDRESS | | |
| BTU/HR OR LB/HR STEAM | MICHIGAN BOILER NO. M M | CITY | STATE | ZIP CODE |
| YEAR INSTALLED | PERMIT NUMBER | TYPE OF BOILER <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CI <input type="checkbox"/> VT | MAWP OF BOILER | |
| INDICATE WORK PERFORMED ON ABOVE BOILER. INSTALLATION OR MAINTENANCE OF BURNERS OR REFRACTORY NOT ACCEPTABLE. | | | | |
| <input type="checkbox"/> INSTALLATION <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> INSPECTION <input type="checkbox"/> ALTERED | | | | |
| <input type="checkbox"/> DESIGN <input type="checkbox"/> MANUFACTURE <input type="checkbox"/> REPAIR <input type="checkbox"/> FIELD ERECTED | | | | |
| BOILER USE | | | | |
| <input type="checkbox"/> STEAM HEATING <input type="checkbox"/> HOT WATER HEATING <input type="checkbox"/> HOT WATER SUPPLY <input type="checkbox"/> POWER <input type="checkbox"/> OTHER _____ | | | | |
| REMARKS (Who you were employed by, year, etc.) | | | | |

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

ARE YOU UPGRADING YOUR LICENSE? ☐ YES -- CURRENT INSTALLER'S LICENSE NUMBER _____
☐ NO

Certification and Signature

| | |
|--|------|
| I certify the information given is true to the best of my knowledge. I understand falsification of any statement in this application is cause for rejection or revocation of license, if issued. | |
| SIGNATURE | DATE |